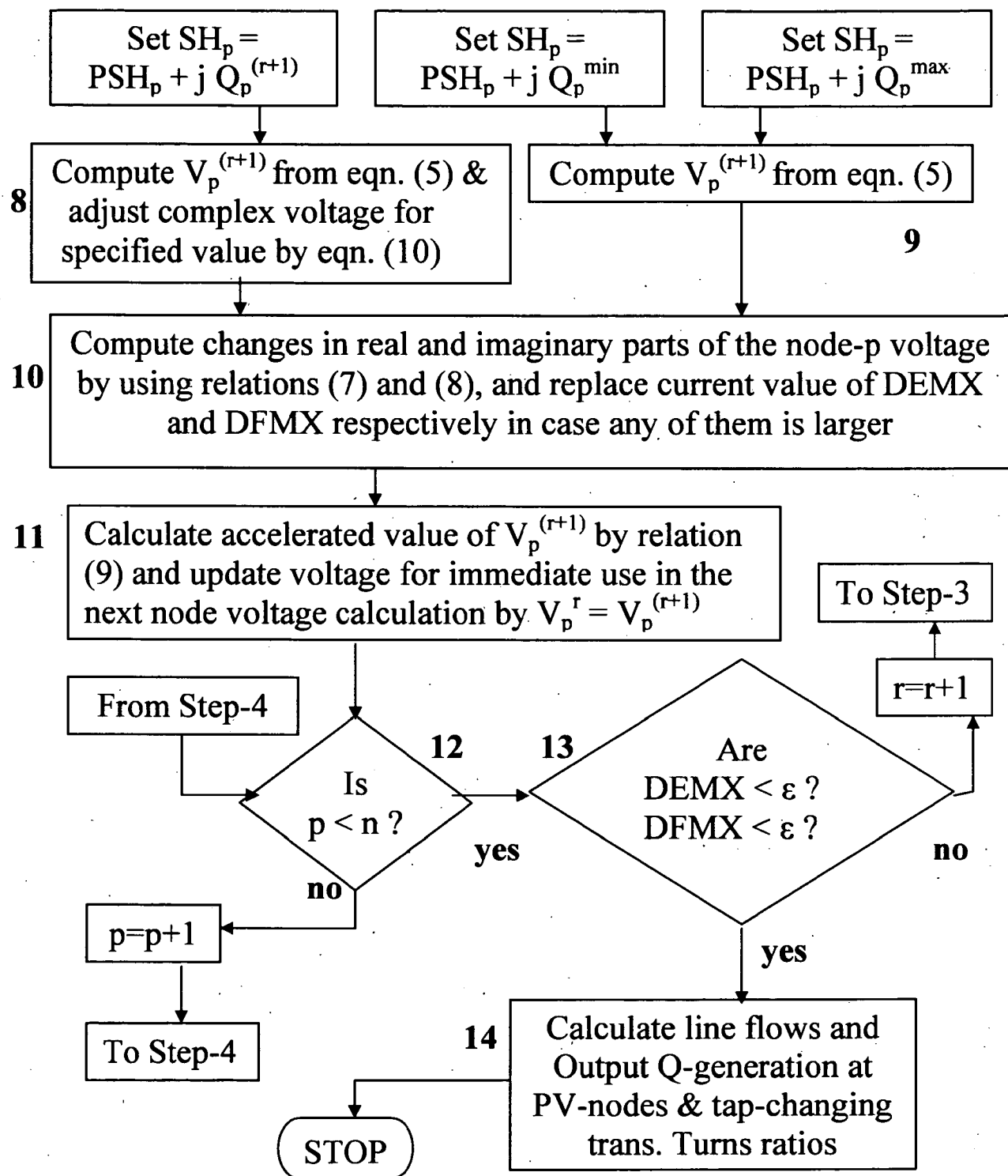
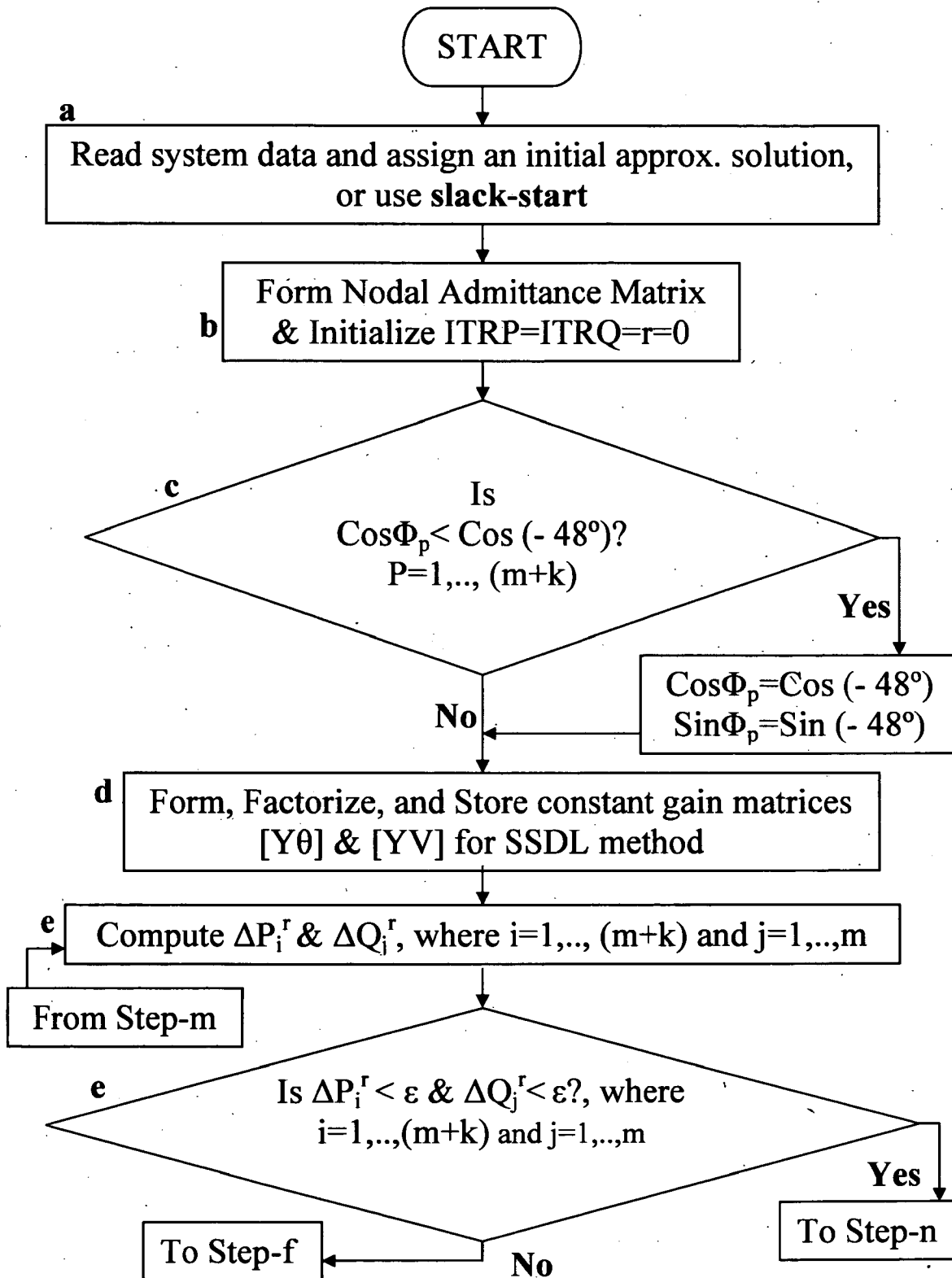


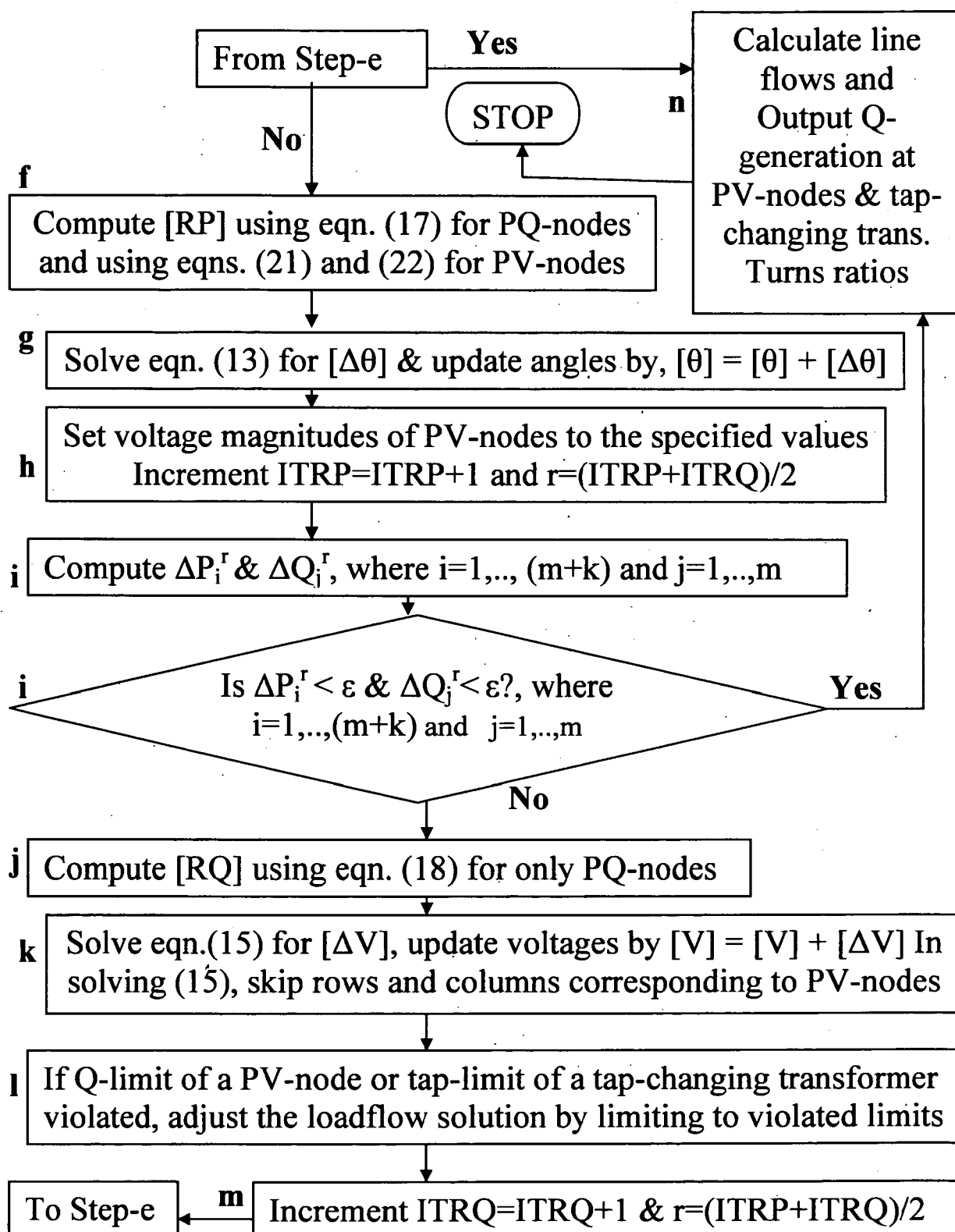
**Fig.1a: Prior Art: Flow-chart of Gauss-Seidel Loadflow (GSL) Method**



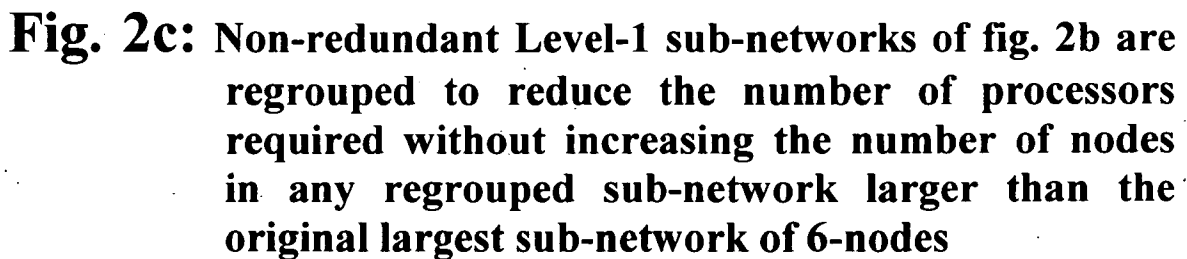
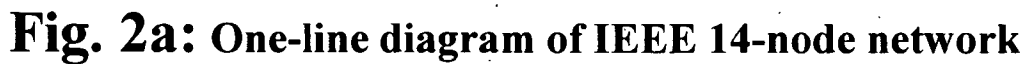
**Fig.1a: Prior Art: Flow-chart of Gauss-Seidel Loadflow (GSL) Method**  
(Cont.)

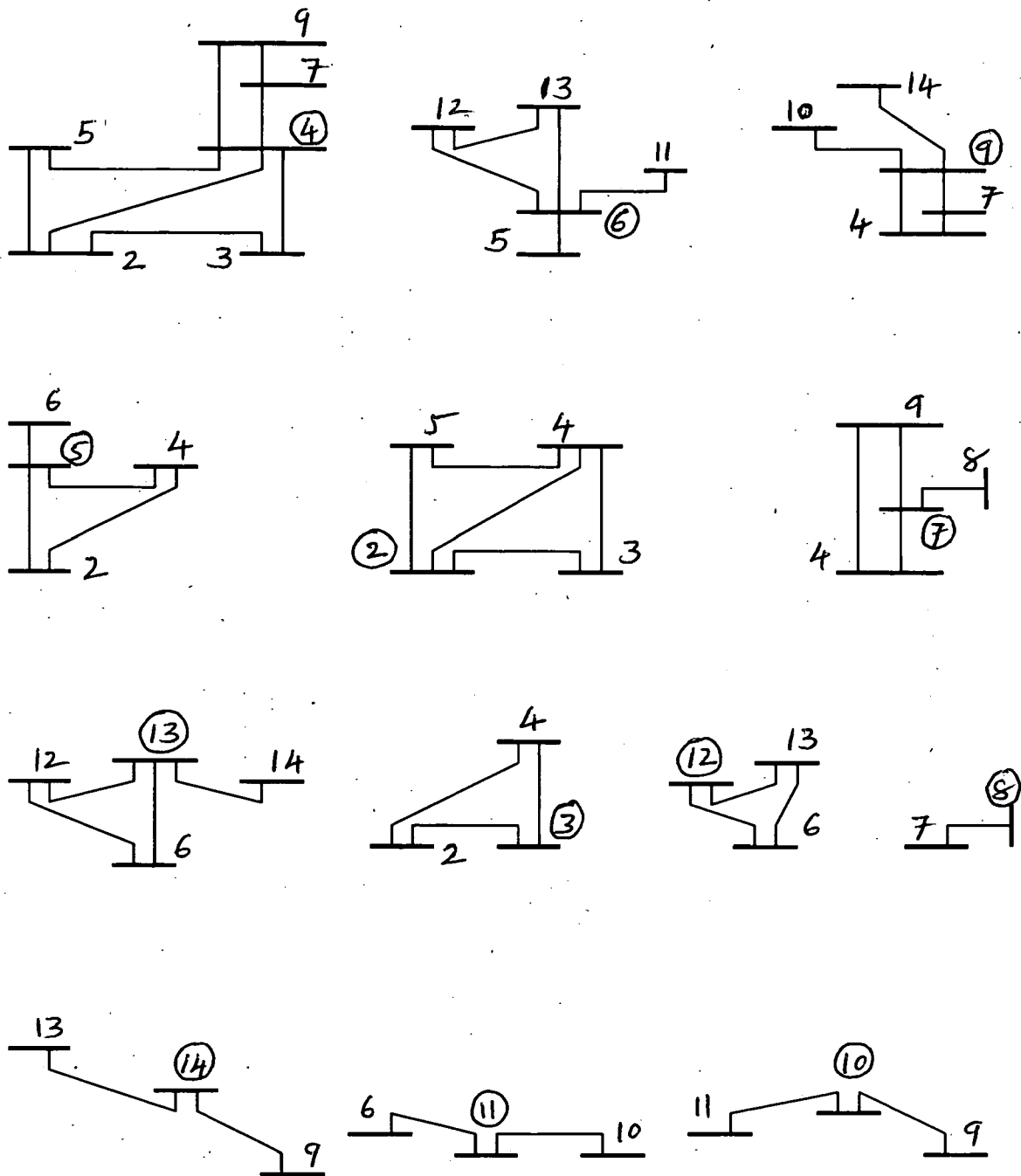


**Fig.1b: Prior Art: Flow-chart of Super Super Decoupled Loadflow (SSDL) method**

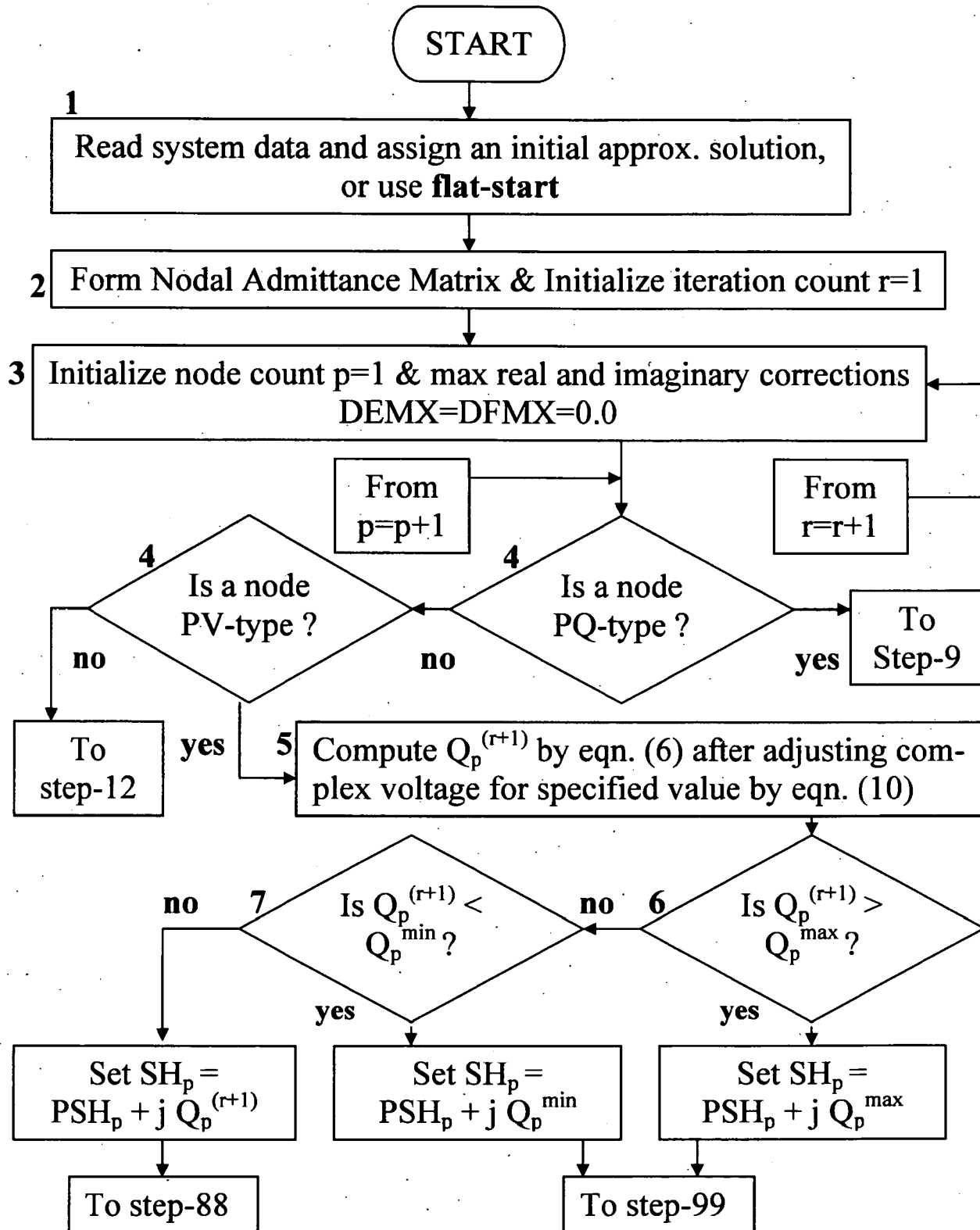


**Fig.1b: Prior Art: Flow-chart of Super Super Decoupled Loadflow (SSDL) method**  
(Cont.)

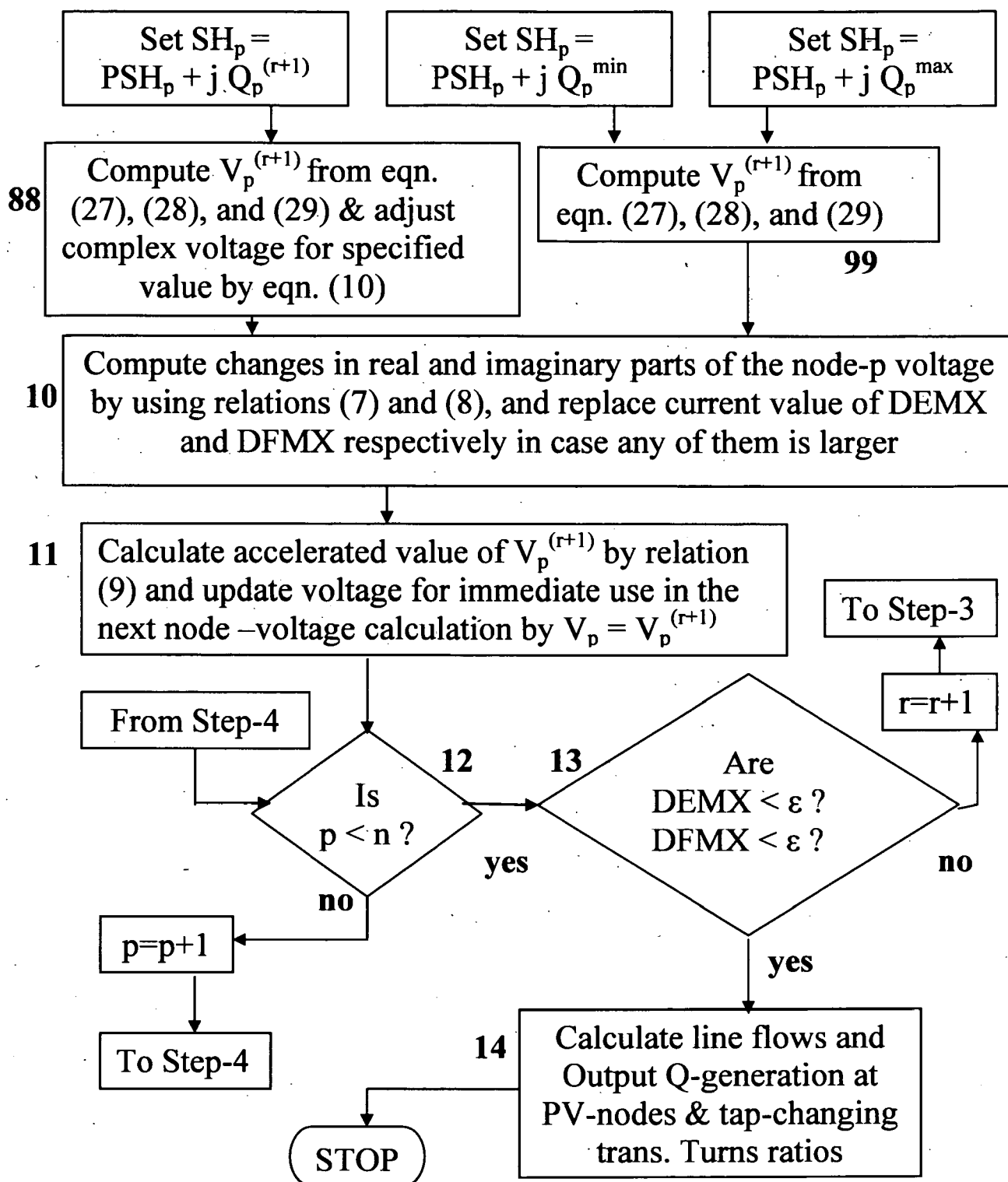




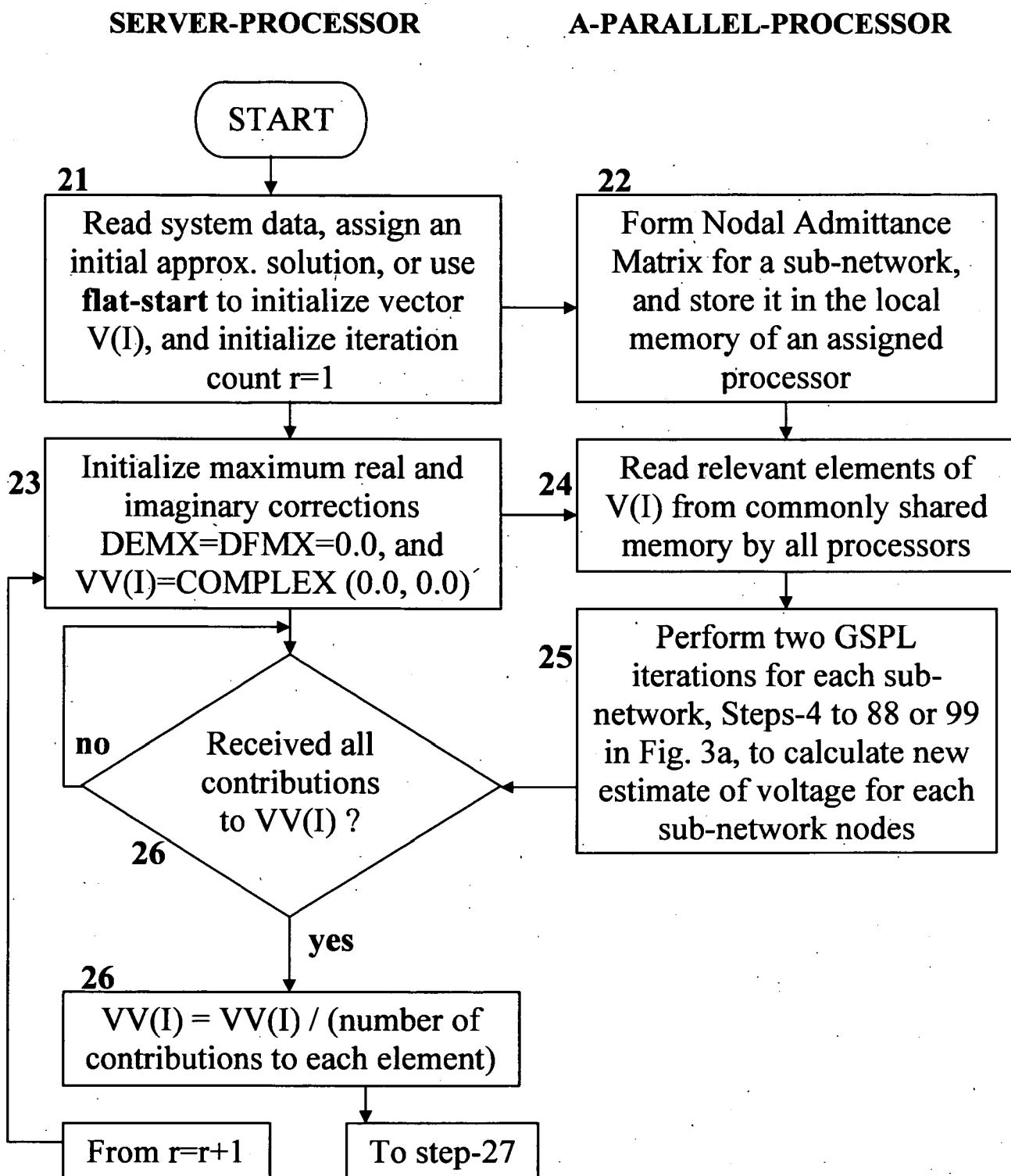
**Fig. 2b: Level-1 sub-networks around circled nodes  
for the network of fig. 2a**



**Fig.3a: Invention: Flow-chart of Gauss-Seidel-patel Loadflow (GSPL) Method**



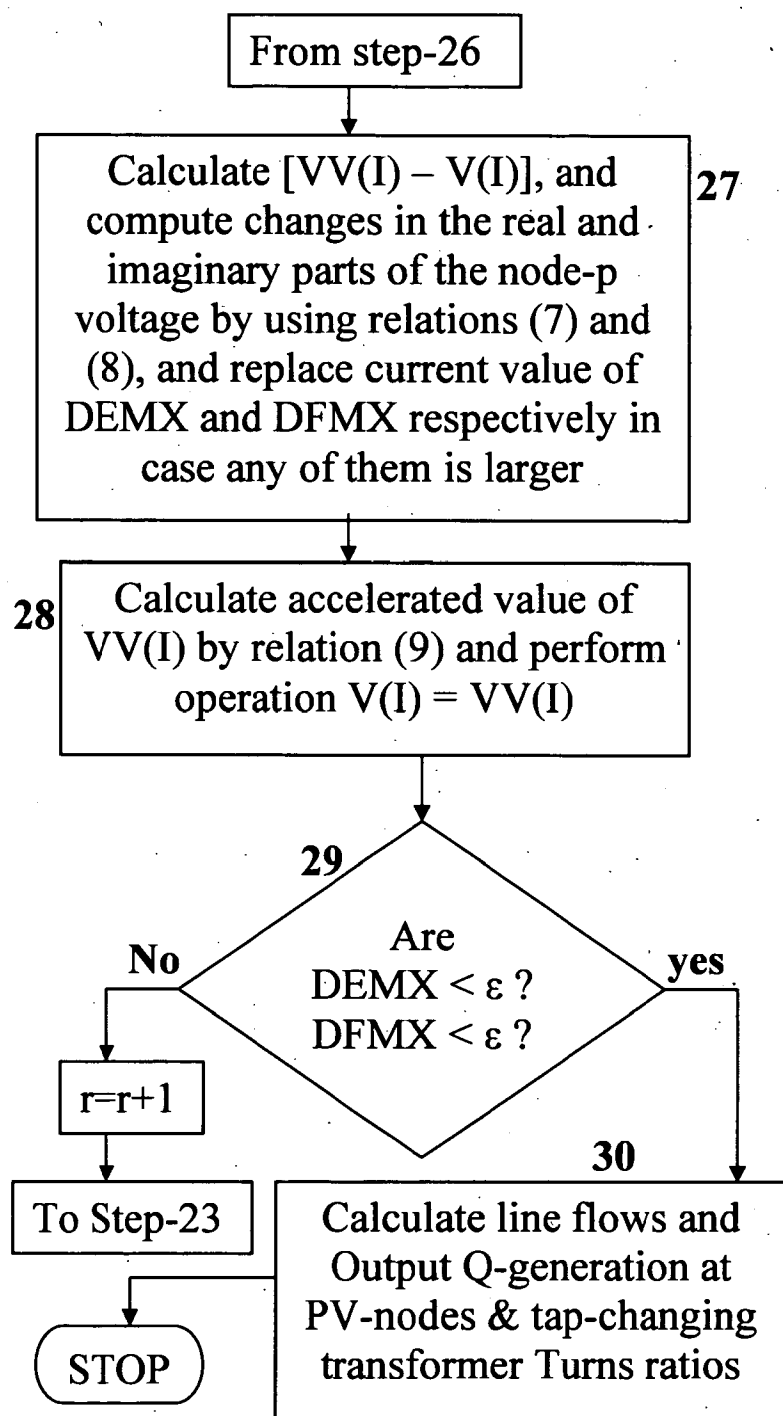
**Fig.3a: Invention: Flow-chart of Gauss-Seidel-patel Loadflow (GSPL) Method**  
(Cont.)



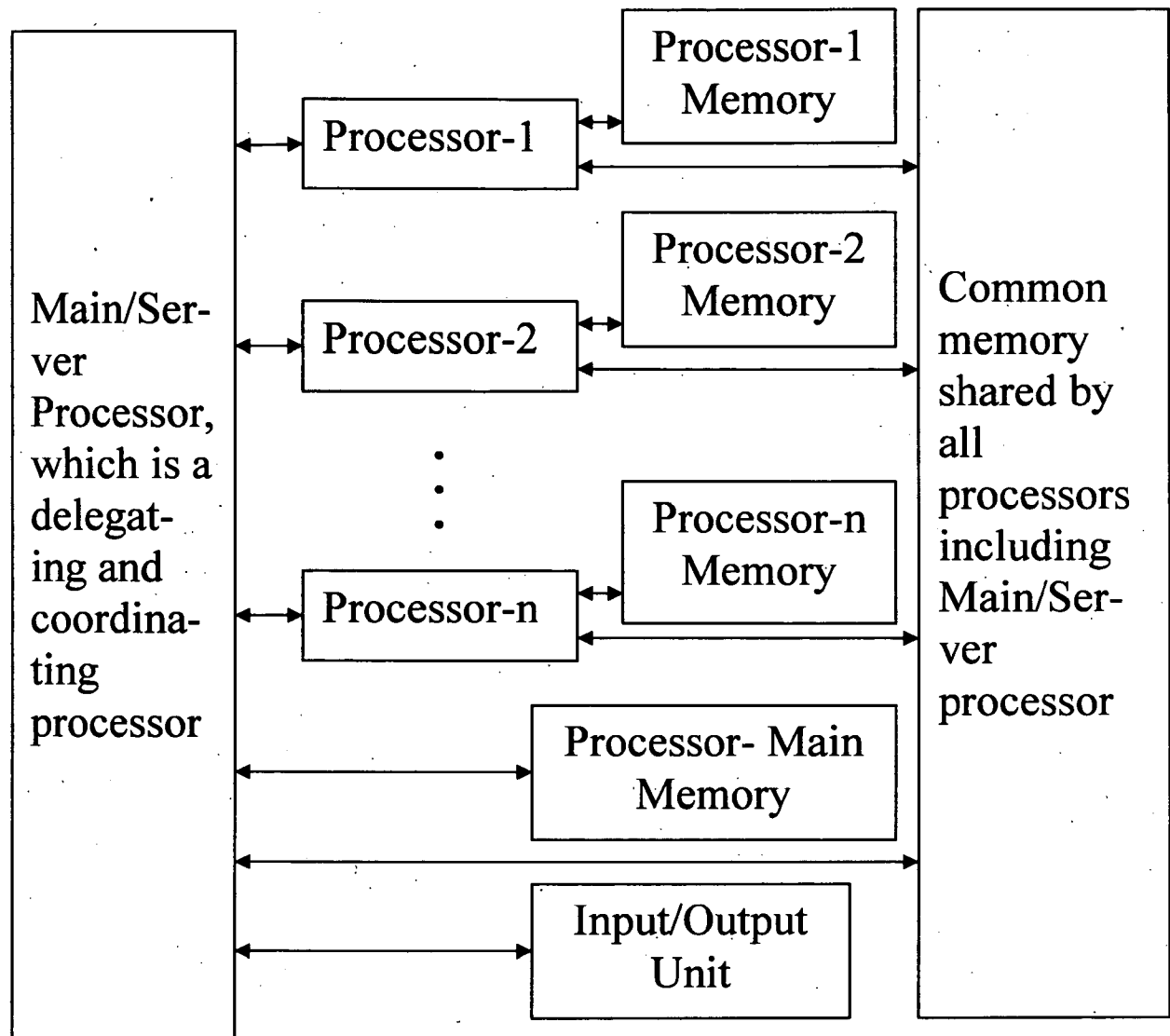
**Fig.3b: Invention: Flow-chart of Parallel-Gauss-Seidel-Patel Loadflow (PGSPL) Method**

## SERVER-PROCESSOR

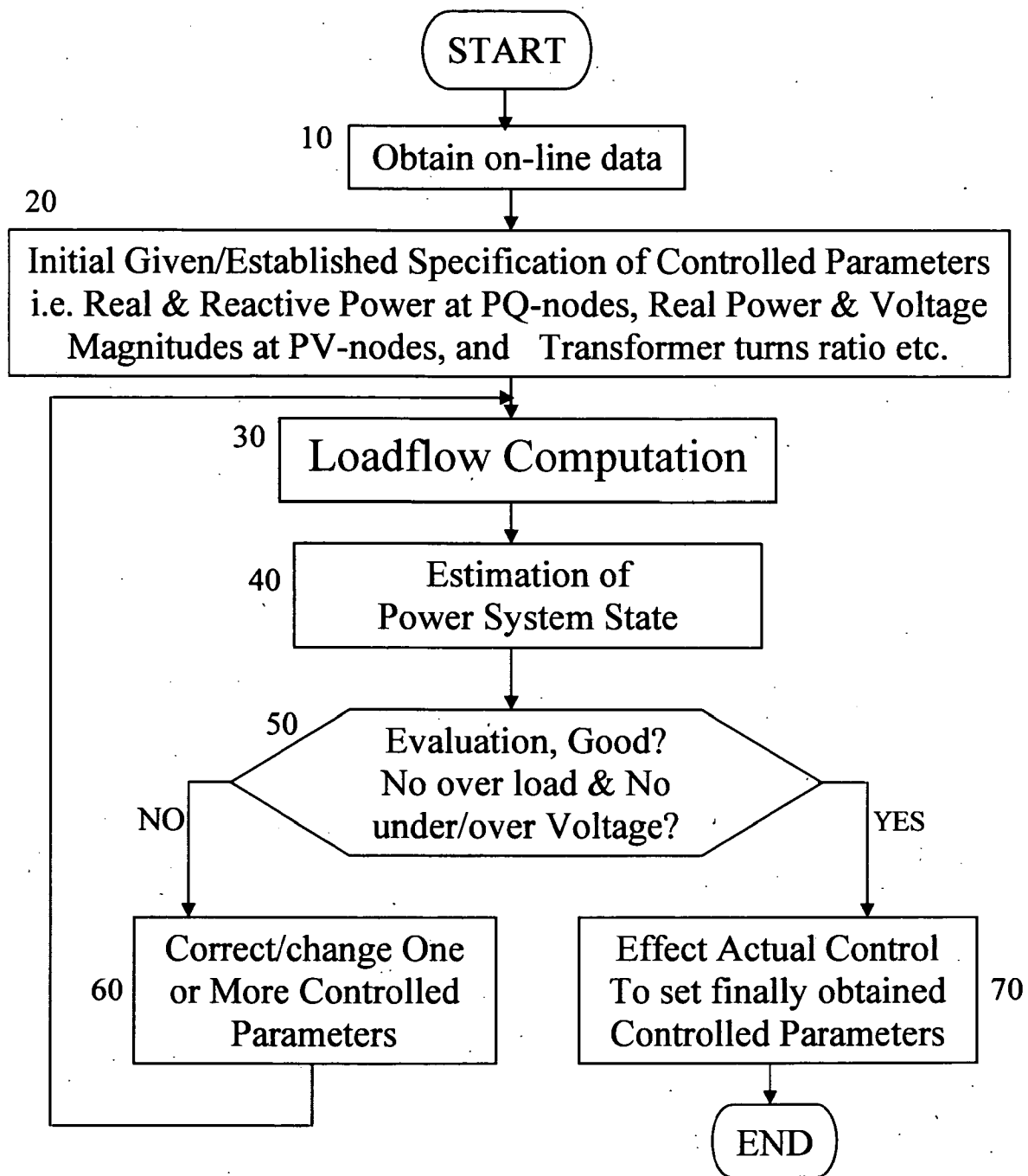
## A-PARALLEL-PROCESSOR



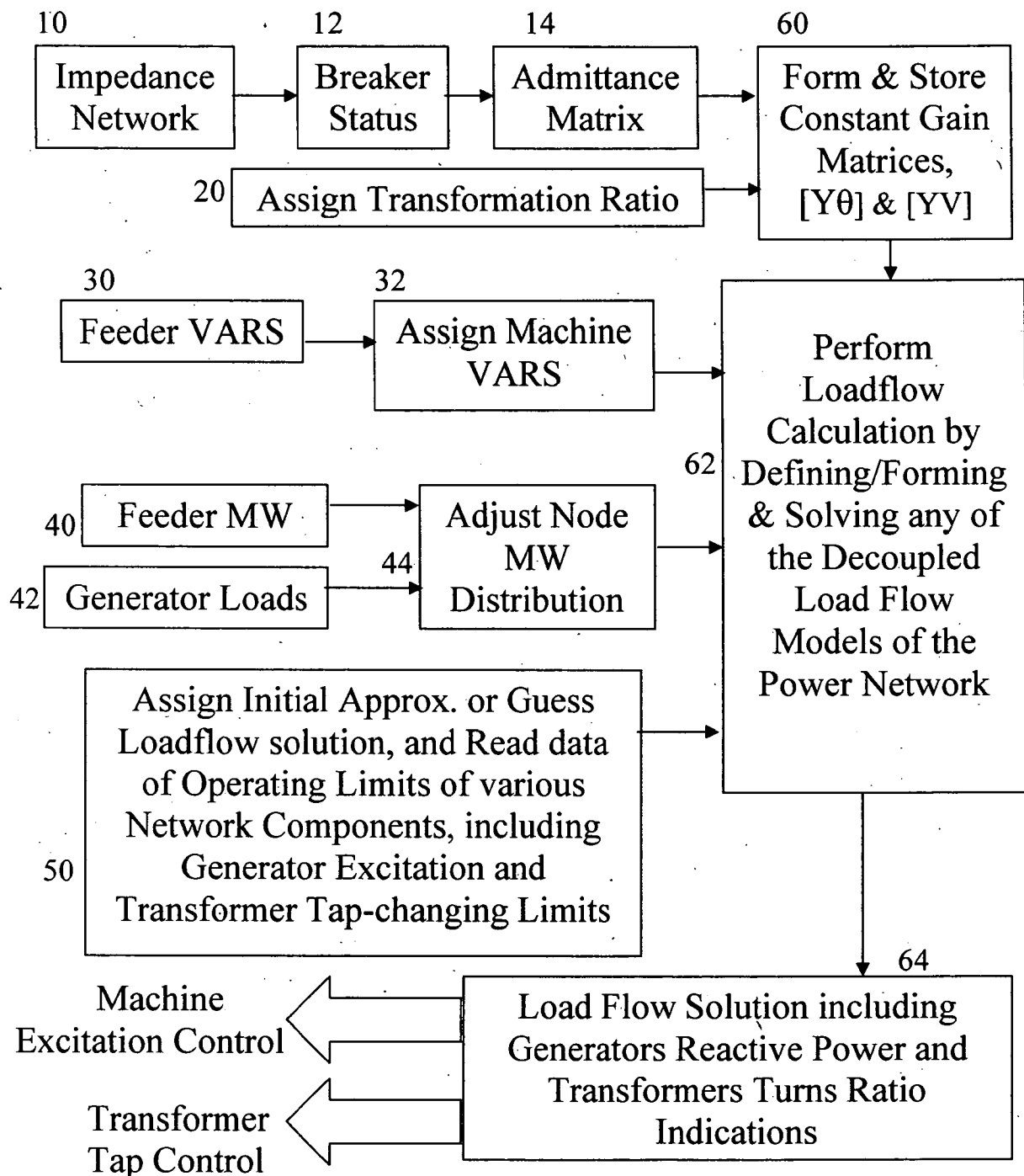
**Fig.3b: Invention: Flow-chart of Parallel-Gauss-Seidel-Patel Loadflow (PGSPL) Method**  
(Cont.)



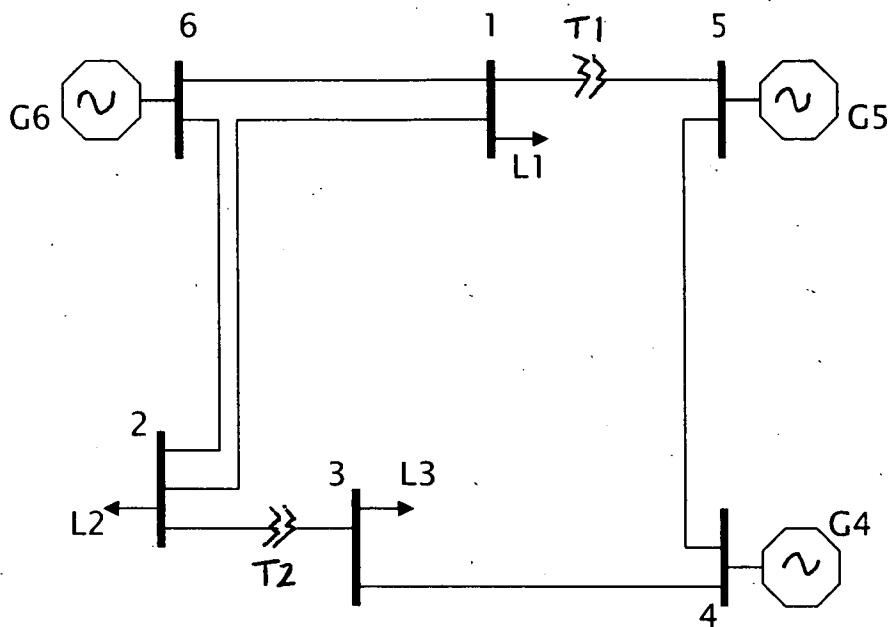
**Fig. 4: Invented Parallel computer Architecture  
/organization**



**Fig.5: Loadflow Computation in Power Flow Control and/or Voltage Control in Electrical Power System**



**Fig. 6: Load-Flow Computation for Voltage Control in**  
 Prior Art **Electrical Power System**



**Fig. 7: An Exemplary 6-node Power System**

Prior Art

**Nodes: 1, 2, 3 are PQ-nodes; arrows extending outwards L1, L2, L3 are connected loads including Electrical Motor loads**

**Nodes: 4 and 5 are PV-nodes, where equivalent plant generators G4 and G5 are connected**

**Nodes: 6 is the reference/slack/swing node, where equivalent biggest plant generator G6 is connected**

**T1 and T2 are tap-changing Transformers controlling voltages of nodes 1 and 2 respectively**